Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/12/2016 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	127109	1	4.77	127025	4.74
Blue	F	SSC	125000	127447	1	7.27	128562	7.22
Blue	E	FITC	17316	16964	-3	5.40	956	10.60
Blue	D	PE	22501	22121	-2	4.97	995	9.81
Blue	B	PerCP-Cy5-5	67647	68394	1	5.20	1807	14.36
Blue	A	PE-Cy7	80682	80413	-1	5.99	1056	26.22
Red	C	APC	64263	63745	-1	3.23	3601	8.73
Red	A	APC-Cy7	96129	96493	0	3.27	1914	8.64
Violet	B	V450	11714	11377	-3	4.49	706	9.08
Violet	A	V500	48394	47610	-2	4.25	2690	6.75

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19874	5.66	598	9	N/A	N/A	Pass
Blue	F	SSC	63231	6.45	519	5	N/A	N/A	Pass
Blue	E	FITC	102	38.02	521	1	0.0223	152	Pass
Blue	D	PE	204	25.83	516	2	0.1463	107	Pass
Blue	B	PerCP-Cy5-5	218	40.19	612	5	0.0102	0	Pass
Blue	A	PE-Cy7	77	103.03	668	5	0.0137	10	Pass
Red	C	APC	337	26.78	586	1	0.0189	0	Pass
Red	A	APC-Cy7	121	38.44	566	1	0.0042	489	Pass
Violet	B	V450	75	41.45	457	1	0.0358	1267	Pass
Violet	A	V500	174	22.86	489	2	0.0122	37	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-30.92	0.82
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	15.95	13.28 - 19.92	N/A	N/A	30.91	31.62	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9751

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments